

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference 69261	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE02/01594	International filing date (day/month/year) 05-09-2002	Priority date (day/month/year) 05-09-2001
International Patent Classification (IPC) or national classification and IPC G06F 9/46		
Applicant Belin Sven Johan et al.		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
These annexes consist of a total of 10 sheets.

- This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☒ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 20-03-2003	Date of completion of this report 12-11-2003
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer Anders Edlund/LR Telephone No. 08-782 25 00

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International application No.

PCT/SE02/01594

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages 1-31, as originally filed
 pages _____, filed with the demand
 pages 1a, filed with the letter of 01-10-2003
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement) under article 19
 pages _____, filed with the demand
 pages 32-37, filed with the letter of 01-10-2003
- ☐ the drawings:
 pages 1-2, as originally filed
 pages _____, filed with the demand
 pages 3-5, filed with the letter of 01-10-2003
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheet/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

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II. Priority

1. ☐ This report has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested:

☐ copy of the earlier application whose priority has been claimed (Rule 66.7(a)).
☐ translation of the earlier application whose priority has been claimed (Rule 66.7(b)).
2. ☐ This report has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rule 64.1).

Thus for the purposes of this report, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

The priority claim is not considered valid for claims 1-28. Specifically, no support was found in the priority document for defining two synchronizable object models, one in a platform-dependent environment and one in a platform-independent environment, and then defining and instantiating an object in accordance with the two models.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-28</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-28</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-28</u>	YES
	Claims	_____	NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: EP 1 126 681 A2

D2: GAMMA et al: Design Patterns: Elements of Reusable Object-Oriented Software. Addison-Wesley 1995. See pages 151-161; pages 87-95

D3: VINOSKI, S: CORBA: Integrating Diverse Applications Within Distributed Heterogeneous Environments. IEEE Commun. Mag. (USA), IEEE Communications Magazine, Feb. 1997, IEEE, USA. IRN-ISSN 0163-6804, Vol. 35, no. 2, pg 46-55

D4: TILLEY, T. et al: GUI framework communication via the WWW. Publ.: Asia Pacific web Conference, in "World Wide Web: Technologies and Applications for the New Millenium", pp 297-302

D5: EP 1 202 174 A2

This report is based on the amended claims filed with the letter of 2003-10-01.

Document D1, which is considered to represent the most relevant prior art to the subject matter of claims 1-28, discloses a universal content broker system for distributing and sharing data and applications between clients with varying presentation capabilities. If the client needs a visualization component that has not been installed, a component tailored to the particular capabilities of the client device is automatically downloaded (see [0149]-[0152]). This lightweight component directly communicates with a corresponding object on the server, and the two components are synchronized in the sense that an event occurring in one component is automatically propagated to the other (see [0159]-[0166]).

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V

However, the documents cited in the International Search Report represent background art.

The invention defined in claims 1-28 is not disclosed by any of these documents.

None of the cited documents gives any indication towards the claimed method for processing data objects in a distributed data processing system having a plurality software and/or hardware nodes being communicatively connectable. No relevant combination of the cited documents would lead a person skilled in the art to the invention defined in the claims.

Therefore, the invention defined in claims 1-28 is novel and is considered to involve an inventive step. It is also considered to be industrially applicable.